Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/18/2017 10:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124769	-1	1.44	124610	1.41
Blue	F	SSC	125000	124721	-1	2.99	124975	2.82
Blue	E	FITC	23795	22877	-4	2.49	1019	10.24
Blue	D	PE	29673	29031	-3	2.09	1043	9.82
Blue	B	PerCP-Cy5-5	48943	47854	-3	3.44	1377	17.32
Blue	A	PE-Cy7	44112	43147	-3	5.15	668	35.66
Red	C	APC	54273	53288	-2	2.72	3070	9.59
Red	A	APC-Cy7	54945	53848	-2	2.66	1118	11.37
Violet	B	V450	15756	15043	-5	3.78	721	8.97
Violet	A	V500	62569	60203	-4	3.54	2665	6.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19599	3.28	611	-3	N/A	N/A	Pass
Blue	F	SSC	62020	1.53	546	0	N/A	N/A	Pass
Blue	E	FITC	113	38.37	547	-3	0.0206	111	Pass
Blue	D	PE	228	29.31	545	-1	0.1624	258	Pass
Blue	B	PerCP-Cy5-5	215	44.84	635	-4	0.0094	48	Pass
Blue	A	PE-Cy7	71	120.80	691	-8	0.0117	15	Pass
Red	C	APC	363	27.35	597	-3	0.0195	25	Pass
Red	A	APC-Cy7	124	40.56	575	-9	0.0053	1474	Pass
Violet	B	V450	87	41.90	468	-4	0.0441	1733	Pass
Violet	A	V500	193	22.53	495	-4	0.0136	230	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.61	-31.18	0.95
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	17.70	13.27 - 19.91	N/A	N/A	31.09	31.63	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10107

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments